

# UNAPPROVED PARTS NOTIFICATION

Aircraft Certification Service



**FAA**  
Aviation Safety

No: 2016-20110831001

Date: June 20, 2016

<http://www.faa.gov/aircraft/safety/programs/sups/upn>

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## AFFECTED PRODUCTS

Aveo Engineering aircraft exterior light emitting diode (LED) lights are advertised on the internet as approved to a Federal Aviation Administration (FAA) Technical Standard Order (TSO). They do not hold an FAA design approval. The affected Aveo Engineering lights are:

Model	Part Number	Description
<b>Nebulon</b>	AVE-WPR-51G-401	Wingtip navigation red LED light
<b>Nebulon</b>	AVE-WPG-51G-401	Wingtip navigation green LED light
<b>Pegatron</b>	AVE-POSW-74G-401	Tail/rudder position LED light
<b>Red Baron XP</b> (Aurora E-Series)	unknown	Anticollision red LED light
<b>Red Baron XP</b> (Aurora E-Series)	unknown	Anticollision white LED light
<b>SmartStrobe</b>	AVE-IS30ANCSAS-02G	Wingtip Anticollision strobe LED light

## PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts suppliers and distributors, that the above identified aircraft exterior LED lights are not approved to an FAA TSO, and do not hold FAA design approval.

## BACKGROUND

Information discovered during an FAA suspected unapproved parts investigation revealed that Aveo Engineering Group, s.r.o. (Aveo Engineering), located at Dobříš, Obory č.p. 98, PSČ 263 01, Czech Republic, and at Pribam Airport, Drasov 202, 261 01 Drasov, Czech Republic, advertised the above listed aircraft exterior LED lights on their websites as approved to FAA TSO No. TSO-C30c Aircraft Position Lights or FAA TSO No. TSO-C96a Anticollision Light Systems. However, Aveo Engineering did not hold FAA design approval in the form of an FAA letter of TSO design approval (LODA) for these models. Therefore, these models are not FAA TSO approved articles, as Aveo Engineering advertised.

The evidence indicates that:

- Between December 2015 and February 2016, Aveo Engineering advertised its LED aircraft light model **Nebulon** on the Aveo Engineering website, [www.aveoengineering.com](http://www.aveoengineering.com), saying “Nebulon™ is a solid-state, hermetically sealed red

and green position light pair that are TSO'd ..."and "FAA TSO & EASA ETSO Certified", and a stamp impression stating: "FAA/EASA TSO C30c CERTIFIED".

- Between January 2016 and February 2016, Aveo Engineering advertised its LED aircraft light model **Pegatron** on the Aveo Engineering website, [www.aveoengineering.com](http://www.aveoengineering.com), saying: "Pegatron™ is a solid-state, hermetically sealed position light that is TSO'd ..."and "FAA TSO & EASA ETSO Certified", and a stamp impression stating: "FAA/EASA TSO C30c CERTIFIED".
- Between November 2013 and February 2016, Aveo Engineering advertised its LED aircraft light Aurora E-Series, model **Red Baron XP** on the Aveo Engineering internet e-commerce portal AveoShop (also known as E-shop), <http://www.aveogroup.com/aveo-shop/>, saying "C-96a TSO tested and approved".

**NOTE:** The Aurora E-Series Red Baron XP model is not to be mistaken for the Galactica C-Series **Red Baron XP Galactica** model. Aveo Engineering (Malaysia) Sdn. Bhd., located at C-G-09, Block C, Ground Floor, SME Technoprenuer Centre, 2270 Jalan Usahawan 2, 63000 Cyberjaya, Selangor Darul Ehsan, Malaysia, holds an FAA TSO LODA for Galactica C-Series **Red Baron XP Galactica** model anticollision LED lights part numbers: **AVE-RBXPR-001** (red) and **AVE-RBXPW-001** (white); however, Aveo Engineering Group, s.r.o. does not.

- Between December 2015 and February 2016, Aveo Engineering advertised its LED aircraft light model **SmartStrobe** on the Aveo Engineering website, [www.aveoengineering.com](http://www.aveoengineering.com), saying: "SmartStrobe™ is a solid-state, hermetically sealed strobe LED light that is TSO'd ..."and "FAA TSO & EASA ETSO Certified", and a stamp impression stating: "FAA/EASA TSO C96a CERTIFIED".

## RECOMMENDATIONS

Regulations require that type-certificated products conform to their type design or properly altered condition. Aircraft owners, operators, manufacturers, maintenance organizations, and parts suppliers and distributors are encouraged to inspect their aircraft and/or aircraft parts inventory for the referenced models and/or part numbers. If these lights are found in existing inventory without documented evidence of a FAA TSO design approval, it is recommended that they be quarantined to prevent installation until a determination can be made regarding their approval status and eligibility for installation.

## FURTHER INFORMATION

Further information concerning this investigation may be obtained from the FAA Manufacturing Inspection District Office (MIDO) identified below. In addition to the above recommendations, the FAA would appreciate any information concerning the discovery of the above-referenced lights from any source, the means used to identify the source, and the actions taken to remove the lights from aircraft and/or aircraft parts inventories.

This notice originated from the FAA Farmingdale MIDO, 7150 Republic Airport, Suite 236, Farmingdale, NY 11735, Telephone (631) 694-8420, Fax (631) 694-8424.